

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD1500_01_s _ 2013_9				
Comment Code					
Inspector Comment					
RD 1500 has their O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	55
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD1500_01_s _ 2013_55				
Comment Code					
Inspector Comment					
RD 1500 maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	61
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD1500_01_s _ 2013_61				
Comment Code					
Inspector Comment					
RD 1500 is current with it's flood response plans and training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	123
LM End	30.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.761055 °	39.000635 °
				-121.674675 °	-121.801345 °
DWR ID	DWR_RD1500_01_s_2016_123				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_123\_20160317\_00246.jpg



View of the vegetation on the landward side of the levee looking upstream. Spring 2016.

LM Start	0.01	Rating **	M	Issue No.	124
LM End	31.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.761020 °	39.006444 °
				-121.674870 °	-121.816475 °
DWR ID	DWR_RD1500_01_s_2016_124				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_124\_20160317\_00247.jpg



View of the vegetation on the waterward side of the levee looking upstream. Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	0.19	Rating **	M	Issue No.	126
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.761650 °	38.761650 °
				-121.677950 °	-121.677950 °
DWR ID	DWR_RD1500_01_s_2016_126				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Tree branches are broken and on the levee slope.					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_126\_20160317\_00248.jpg



View of the broken tree limb on the landward side of the levee looking upstream. Spring 2016.

LM Start	0.29	Rating **	C	Issue No.	105
LM End	0.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.762946 °	38.762946 °
				-121.678817 °	-121.678817 °
DWR ID	DWR_RD1500_01_f_2015_105				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Issue has been corrected.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	0.56	Rating **	A/W	Issue No.	72
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.764462 °	38.764638 °
				-121.683167 °	-121.687690 °
DWR ID	DWR_RD1500_01_s _ 2012_72				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD1500\_189\_72\_20160317\_00249.jpg



View of the revegetation site on the waterward side toe of the levee looking upstream. Spring 2016.

LM Start	<b>0.56</b>	Rating **	A/W	Issue No.	<b>72 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD1500\_189\_72\_20160317\_00250.jpg



Sign is located at the toe of the levee on the waterward side. Spring 2016.

LM Start	0.63	Rating **	C	Issue No.	76
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.764305 °	38.766827 °
				-121.684396 °	-121.690884 °
DWR ID	DWR_RD1500_01_s _ 2013_76				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Seepage berm was damaged last fall in prep for the agricultural field and needs to be restored by the land owner. A field investigation report was made. The seepage berm is scheduled to be repaired before next flood season. Farmer has repaired seepage berm.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	0.71	Rating **	C	Issue No.	106
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.764155 °	38.764155 °
				-121.685888 °	-121.685888 °
DWR ID	DWR_RD1500_01_f_2015_106				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	0.77	Rating **	M	Issue No.	130
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.764286 °	38.764286 °
				-121.686873 °	-121.686873 °
DWR ID	DWR_RD1500_01_s_2016_130				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Some depression can be seen on the levee through the vegetation and seems that it may have been caused by a vehicle.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	1.34	Rating **	A/W	Issue No.	6
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.770390 °	38.777282 °
				-121.690553 °	-121.685841 °
DWR ID	DWR_RD1500_01_s _ 2016_6				
Comment Code					
Inspector Comment					
2006 - New erosion upstream, new bank failures near levee but still fairly wide berm in most places. 2008 - Large berm, questionable as to if it should remain in the inventory. 2010 - Minor new erosion, old cobble starting to fail. 2011 - Cobble continues to unravel and additional slumping. 2012 - Minor new erosion at bank mid point. 2013 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC 86-3 L]					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_6\_20160304\_00006.jpg



USACE 2013 Photo #1

LM Start	2.30	Rating **	A/W	Issue No.	2
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.781962 °	38.784936 °
				-121.688033 °	-121.690033 °
DWR ID	DWR_RD1500_01_s _ 2016_2				
Comment Code					
Inspector Comment					
2010 - The upstream end of the repair site at 87.0. Repair did not extend far enough upstream. 2011 - New erosion pockets. 2012 - Minor new erosion at toe. 2013 - Minor new erosion. 2015: Significant new toe erosion. [2015 Site ID: SAC_87-1_L]					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_2\_20160304\_00002.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	2.39	Rating **	M	Issue No.	134
LM End	2.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.783304 °	38.783304 °
				-121.688202 °	-121.688202 °
DWR ID	DWR_RD1500_01_s _ 2016_134				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.62	Rating **	M	Issue No.	136
LM End	3.52	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.786002 °	38.795389 °
				-121.687795 °	-121.689506 °
DWR ID	DWR_RD1500_01_s _ 2016_136				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.17	Rating **	A/W	Issue No.	1340
LM End	5.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802164 °	38.802164 °
				-121.712560 °	-121.712560 °
DWR ID	DWR_RD1500_01_s _ 2014_1340				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Monitor tree that may pose a future threat to the integrity of the levee.					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_1340\_20160317\_00259.jpg



View of the dying tree on the landward side of the levee looking upstream. Spring 2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	5.26	Rating **	C	Issue No.	1341
LM End	5.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.802827 °	38.802827 °
				-121.714043 °	-121.714043 °
DWR ID	DWR_RD1500_01_s _ 2014_1341				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees have been trimmed.					

No Photos

LM Start	7.15	Rating **	M	Issue No.	217
LM End	7.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.824119 °	38.824119 °
				-121.722776 °	-121.722776 °
DWR ID	DWR_RD1500_01_s _ 2012_217				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_217\_20160317\_00264.jpg



View of the trees on the landward side of the levee looking upstream.  
Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	7.20	Rating **	A/W	Issue No.	1343
LM End	7.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.824900 °	38.824900 °
				-121.722851 °	-121.722851 °
DWR ID	DWR_RD1500_01_s _ 2014_1343				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_1343\_20160304\_00098.jpg



Monitor tree that may pose a future threat to the integrity of the levee.  
Spring 2014

LM Start	8.29	Rating **	M	Issue No.	150
LM End	8.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.838802 °	38.838802 °
				-121.729598 °	-121.729598 °
DWR ID	DWR_RD1500_01_s _ 2016_150				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion caused by vehicles and runoffs from rain.					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_150\_20160317\_00266.jpg



View of the erosion on the waterward side of the levee looking upstream.  
Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	8.33	Rating **	M	Issue No.	3
LM End	8.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.839546 °	38.840347 °
				-121.729591 °	-121.726857 °
DWR ID	DWR_RD1500_01_s _ 2016_3				
Comment Code					
Inspector Comment					
1997 - Damage to cobble revetment on top left bank and toe damage. 2004 - Site is pretty minor. 2010 - Cobbles continue to deteriorate. 2011 - Minor new erosion at the toe. 2013 - Might be able to shorten due to deposition. 2015: Site shortened, downstream end has plenty of berm and deposited material, well vegetated. [2015 Site ID: SAC_92-8_L]					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_3\_20160304\_00003.jpg



USACE 2013 Photo #1

LM Start	8.92	Rating **	A/W	Issue No.	1344
LM End	8.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.845076 °	38.845076 °
				-121.728301 °	-121.728301 °
DWR ID	DWR_RD1500_01_s _ 2014_1344				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

Photo 1 of 3 : SP\_2016\_RD1500\_189\_1344\_20160304\_00099.jpg



The walnut tree at the toe has fallen. The roots are exposed and the branches are holding it up. Spring 2014

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	8.92	Rating **	A/W	Issue No.	1344 (cont)
LM End	8.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.845076 °	38.845076 °
				-121.728301 °	-121.728301 °
DWR ID	DWR_RD1500_01_s_2014_1344				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					

LM Start	<b>8.92</b>	Rating **	A/W	Issue No.	<b>1344 (cont)</b>
LM End	<b>8.92</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2016\_RD1500\_189\_1344\_20160304\_00100.jpg



The walnut tree has been trimmed but still remains at the landward toe of the levee. Fall 2015.

Photo 3 of 3 : SP\_2016\_RD1500\_189\_1344\_20160304\_00101.jpg



Perspective view of the walnut tree on the landward side of the levee looking downstream. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	9.40	Rating **	A/W	Issue No.	74
LM End	9.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.850267 °	38.852564 °
				-121.723275 °	-121.723179 °
DWR ID	DWR_RD1500_01_s_2012_74				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD1500\_189\_74\_20160317\_00267.jpg



View of the revegetation site along the edge of the berm on the waterward side of the levee looking downstream. Spring 2016.

LM Start	<b>9.40</b>	Rating **	A/W	Issue No.	<b>74 (cont)</b>
LM End	<b>9.57</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD1500\_189\_74\_20160317\_00268.jpg



Sign for the revegetation site by USACE.

LM Start	10.54	Rating **	C	Issue No.	112
LM End	10.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.861027 °	38.861027 °
				-121.734094 °	-121.734094 °
DWR ID	DWR_RD1500_01_f_2015_112				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees have been trimmed.					

No Photos

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	11.23	Rating **	C	Issue No.	113
LM End	11.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.865598 °	38.865598 °
				-121.745196 °	-121.745196 °
DWR ID	DWR_RD1500_01_f_2015_113				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Slope depression has been repaired.					

No Photos

LM Start	11.80	Rating **	A/W	Issue No.	19
LM End	11.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.871853 °	38.870581 °
				-121.749330 °	-121.752059 °
DWR ID	DWR_RD1500_01_s_2016_19				
Comment Code					
Inspector Comment					
1997 - No toe on the large upstream rubble (mix of broken concrete, bricks, rock, and steal) - should be replaced. Oversized bank. 2001 - New slump at the downstream end. 2003 - Some minor bank retreat at the downstream end. 2004 - Some new retreat at the downstream end. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Minor new erosion. 2011 - Minor new erosion at the toe. 2015: Fresh slumping. [2015 Site ID: SAC_95-8_L]					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	11.99	Rating **	A/W	Issue No.	1
LM End	12.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.870474 °	38.869139 °
				-121.752237 °	-121.757108 °
DWR ID	DWR_RD1500_01_s_2016_1				
Comment Code					
Inspector Comment					
2000 - Vertical Modesto Formation bank with mass failure. 2003 - Upstream end has some new bank retreat. 2004 - Upstream end is worse. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Some new erosion and deposition at upstream end, definite encroachments. 2011 - Minor new erosion at the toe. 2015: Site removed, sufficient berm width. [2015 Site ID: SAC_96-2_L]					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_1\_20160304\_00001.jpg



USACE 2013 Photo #1

LM Start	12.50	Rating **	C	Issue No.	117	
LM End	12.50	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.867902 °		38.867902 °
				-121.760631 °		-121.760631 °
DWR ID	DWR_RD1500_01_f_2015_117					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Issues has been corrected.						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	12.57	Rating **	M	Issue No.	118
LM End	12.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.867108 °	38.867108 °
				-121.761498 °	-121.761498 °
DWR ID	DWR_RD1500_01_f_2015_118				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_118\_20160304\_00081.jpg



View of the erosion on the waterward side of the levee looking upstream. Fall 2015.

LM Start	13.98	Rating **	M	Issue No.	10
LM End	14.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.857239 °	38.861899 °
				-121.783771 °	-121.784057 °
DWR ID	DWR_RD1500_01_s_2016_10				
Comment Code					
Inspector Comment					
1997 - Intermittent toe failure of the hand placed riprap; failure of toe materials. 2015: No observed changes. [2015 Site ID: SAC_99-0_L]					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_10\_20160304\_00010.jpg



USACE 2013 Photo #1

LM Start	14.24	Rating **	M	Issue No.	115
LM End	14.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.861353 °	38.861353 °
				-121.783610 °	-121.783610 °
DWR ID	DWR_RD1500_01_s_2016_115				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Ground squirrel ran across the top of the levee to the landward side of the levee into the landscaping.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	14.27	Rating **	U	Issue No.	77
LM End	14.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.861793 °	38.861793 °
				-121.783703 °	-121.783703 °
DWR ID	DWR_RD1500_01_s _ 2012_77				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD1500\_189\_77\_20160317\_00274.jpg



View of the trees on the landward side of the levee looking upstream. Spring 2016.

LM Start	<b>14.27</b>	Rating **	U	Issue No.	<b>77 (cont)</b>
LM End	<b>14.27</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2016\_RD1500\_189\_77\_20160317\_00273.jpg



Trees block visibility on the landward slope. Spring 2016.

LM Start	15.34	Rating **	M	Issue No.	159
LM End	17.29	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.868748 °	38.887612 °
				-121.797371 °	-121.807911 °
DWR ID	DWR_RD1500_01_s _ 2016_159				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_159\_20160317\_00275.jpg



View of the crown of the levee looking upstream. Spring 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	18.29	Rating **	A/W	Issue No.	51
LM End	18.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.900873 °	38.900873 °
				-121.802680 °	-121.802680 °
DWR ID	DWR_RD1500_01_s_2012_51				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD1500\_189\_51\_20160304\_00042.jpg



Looking downstream at the embankment erosion. Fall 2015.

LM Start	<b>18.29</b>	Rating **	A/W	Issue No.	<b>51 (cont)</b>
LM End	<b>18.29</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD1500\_189\_51\_20160304\_00043.jpg



Looking upstream at the same embankment erosion. Fall 2015.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



# Reclamation District No. 1500 Sutter Basin

USACE 2013 Photo #1Page 18 of 22



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	19.23	Rating **	M	Issue No.	165
LM End	19.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.905022 °	38.905022 °
				-121.790073 °	-121.790073 °
DWR ID	DWR_RD1500_01_s_2016_165				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD1500\_189\_165\_20160317\_00280.jpg



View of the erosion on the landward side of the levee caused by runoffs. Spring 2016.

LM Start	19.23	Rating **	M	Issue No.	165 (cont)
LM End	19.23	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2016\_RD1500\_189\_165\_20160317\_00278.jpg



Perspective view of the erosion looking upstream. Spring 2016.

LM Start	21.06	Rating **	C	Issue No.	101
LM End	21.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.911910 °	38.911910 °
				-121.803666 °	-121.803666 °
DWR ID	DWR_RD1500_01_f_2015_101				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	24.76	Rating **	M	Issue No.	102
LM End	24.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.942828 °	38.942828 °
				-121.834811 °	-121.834811 °
DWR ID	DWR_RD1500_01_f_2015_102				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_102\_20160317\_00284.jpg



View of rodent hole on the landward side of the levee looking upstream. Spring 2016.

LM Start	24.88	Rating **	M	Issue No.	69
LM End	24.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.944340 °	38.944340 °
				-121.835790 °	-121.835790 °
DWR ID	DWR_RD1500_01_f_2013_69				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD1500\_189\_69\_20160304\_00048.jpg



Multiple rodent burrows on landside slope. Fall 2013

LM Start	<b>24.88</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>24.88</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2016\_RD1500\_189\_69\_20160304\_00049.jpg



A rodent burrow on the landside Fall 2013

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	28.94	Rating **	A/W	Issue No.	84
LM End	29.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.988072 °	38.988572 °
				-121.811737 °	-121.807520 °
DWR ID	DWR_RD1500_01_s_2012_84				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD1500\_189\_84\_20160317\_00288.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start	<b>28.94</b>	Rating **	A/W	Issue No.	<b>84 (cont)</b>
LM End	<b>29.17</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD1500\_189\_84\_20160317\_00289.jpg



Sign for the revegetation site. Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/09/2016 03/10/2016	Jai Lor

LM Start	30.60	Rating **	A/W	Issue No.	22
LM End	30.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.999745 °	39.001413 °
				-121.800898 °	-121.802889 °
DWR ID	DWR_RD1500_01_s_2016_22				
Comment Code					
Inspector Comment					
2000 - Eroding, vertical berm slope over a vertical cohesive toe; slow erosion but getting close to the toe. 2002 - Erosion is getting close to the levee, still eroding with some new small slumps. 2004 - Some minor new erosion. 2006 - Some new erosion, cleaned off older scars and slump faces. 2008 - New, small, partial rotational failure. 2011 - Some new minor erosion. 2015: No observed changes. [2015 Site ID: SAC_116-0_L]					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_22\_20160304\_00022.jpg



USACE 2013 Photo #1

LM Start	30.94	Rating **	A/W	Issue No.	15
LM End	31.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.003301 °	39.006072 °
				-121.805024 °	-121.815926 °
DWR ID	DWR_RD1500_01_s_2016_15				
Comment Code					
Inspector Comment					
2003 - New sedimentation and some new small toe scallops at the upstream end; downstream end has some new erosion. 2004 - Some new erosion at the toe and upper bank and some small new rotational failures (mainly minor, except at the downstream end). 2007 - Some new slumps. 2009 - Some new scallops and site was extended upstream. 2010 - New deposition along upstream end of site, however there is also new erosion throughout the site. Site seems to be worsening, and eroding fast. Large habitat for bank swallows. 2011 - Some new minor erosion. 2012 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_116-5_L]					

Photo 1 of 1 : SP\_2016\_RD1500\_189\_15\_20160304\_00015.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/10/2016 03/10/2016	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	18
LM End	9.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.761114 °	38.892651 °
				-121.674630 °	-121.636557 °
DWR ID	DWR_RD1500_02_s _ 2016_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	17
LM End	10.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.761114 °	38.902510 °
				-121.674630 °	-121.638252 °
DWR ID	DWR_RD1500_02_s _ 2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.761121 °	38.761121 °
				-121.674592 °	-121.674592 °
DWR ID	DWR_RD1500_02_s _ 2012_12				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_190\_12\_20160317\_00014.jpg



View of the equipment on the levee crown looking upstream. Spring 2016.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/10/2016 03/10/2016	Jai Lor

LM Start	0.48	Rating **	M	Issue No.	21
LM End	0.98	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.766085 °	38.771723 °
				-121.668338 °	-121.662712 °
DWR ID	DWR_RD1500_02_s _ 2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	7.84	Rating **	M	Issue No.	20
LM End	8.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.866621 °	38.872074 °
				-121.646839 °	-121.642550 °
DWR ID	DWR_RD1500_02_s _ 2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/10/2016 03/10/2016	Jai Lor

LM Start	9.73	Rating **	M	Issue No.	19
LM End	9.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.891630 °	38.891630 °
				-121.636393 °	-121.636393 °
DWR ID	DWR_RD1500_02_s _ 2016_19				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_190\_19\_20160317\_00013.jpg



View of the fallen tree on the waterward side of the levee looking downstream. Spring 2016.

LM Start	10.67	Rating **	M	Issue No.	16
LM End	11.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.905155 °	38.914555 °
				-121.638717 °	-121.640385 °
DWR ID	DWR_RD1500_02_s _ 2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	10.67	Rating **	M	Issue No.	14
LM End	11.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.905214 °	38.914555 °
				-121.638728 °	-121.640385 °
DWR ID	DWR_RD1500_02_s _ 2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/10/2016 03/10/2016	Jai Lor

LM Start	12.13	Rating **	M	Issue No.	10
LM End	12.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.925349 °	38.928646 °	
			-121.646143 °	-121.649403 °	
DWR ID	DWR_RD1500_02_s _ 2016_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.13	Rating **	M	Issue No.	9
LM End	12.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.925349 °	38.928867 °	
			-121.646143 °	-121.649636 °	
DWR ID	DWR_RD1500_02_s _ 2016_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	12.67	Rating **	M	Issue No.	8
LM End	12.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.931406 °	38.932741 °	
			-121.652390 °	-121.653812 °	
DWR ID	DWR_RD1500_02_s _ 2016_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/10/2016 03/10/2016	Jai Lor

LM Start	13.05	Rating **	M	Issue No.	7
LM End	13.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.935620 °	38.937601 °
				-121.656889 °	-121.659018 °
DWR ID	DWR_RD1500_02_s_2016_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	14.13	Rating **	A/W	Issue No.	4
LM End	14.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.947628 °	38.947628 °
				-121.669764 °	-121.669764 °
DWR ID	DWR_RD1500_02_s_2012_4				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_190\_4\_20160304\_00002.jpg



View of the relief well at historical boil 12. Fall 2015.

LM Start	14.47	Rating **	A/W	Issue No.	11
LM End	14.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.951413 °	38.951413 °
				-121.673856 °	-121.673856 °
DWR ID	DWR_RD1500_02_s_2012_11				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_190\_11\_20160304\_00003.jpg



A relief well at historical boil 16. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/10/2016 03/10/2016	Jai Lor

LM Start	14.61	Rating **	M	Issue No.	2
LM End	16.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.952942 °	38.974837 °
				-121.675518 °	-121.707296 °
DWR ID	DWR_RD1500_02_s_2016_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Shoulders need to be maintained.					

Photo 1 of 1 : SP\_2016\_RD1500\_190\_2\_20160317\_00009.jpg



View of the vegetation on the landward side of the levee looking downstream. Spring 2016.

LM Start	14.61	Rating **	M	Issue No.	3
LM End	16.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.952945 °	38.974837 °
				-121.675528 °	-121.707296 °
DWR ID	DWR_RD1500_02_s_2016_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Shoulder vegetation needs to be maintained.					

Photo 1 of 1 : SP\_2016\_RD1500\_190\_3\_20160317\_00010.jpg



View of the vegetation on the waterward side of the levee looking downstream. Spring 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/10/2016 03/10/2016	Jai Lor

LM Start	18.17	Rating **	A/W	Issue No.	13
LM End	18.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.987031 °	38.987031 °
				-121.725049 °	-121.725049 °
DWR ID	DWR_RD1500_02_s _ 2012_13				
Comment Code					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD1500\_190\_13\_20160304\_00006.jpg



Two of four drains on the landward side of the levee. Fall 2015.

LM Start	<b>18.17</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>18.17</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2016\_RD1500\_190\_13\_20160304\_00007.jpg



View of the 4 drains at the levee toe on the landward side. Fall 2015.

LM Start	18.41	Rating **	A/W	Issue No.	15
LM End	18.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.989710 °	38.989710 °
				-121.727691 °	-121.727691 °
DWR ID	DWR_RD1500_02_s _ 2015_15				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_190\_15\_20160304\_00008.jpg



View of the toe drainage at the landward toe berm. Fall 2015.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/10/2016 03/10/2016	Jai Lor

LM Start	18.55	Rating **	M	Issue No.	6
LM End	18.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.991454 °	38.991454 °
				-121.729145 °	-121.729145 °
DWR ID	DWR_RD1500_02_s_2016_6				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD1500\_190\_6\_20160317\_00012.jpg



View of the tree on the waterward side of the levee looking downstream.  
Spring 2016.

LM Start	18.60	Rating **	C	Issue No.	1
LM End	18.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.992105 °	38.992105 °
				-121.729615 °	-121.729615 °
DWR ID	DWR_RD1500_02_f_2015_1				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/10/2016 03/10/2016	Jai Lor

LM Start	19.76	Rating **	M	Issue No.	5
LM End	19.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.007876 °	39.007876 °
				-121.736459 °	-121.736459 °
DWR ID	DWR_RD1500_02_s_2016_5				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree has fallen on the waterward slope.					

Photo 1 of 1 : SP\_2016\_RD1500\_190\_5\_20160317\_00011.jpg



View of the tree on the waterward side of the levee looking downstream.  
Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---